

## AMENDMENTS TO THE CLAIMS

Claims 1. - 36. (CANCELED)

37. (CURRENTLY AMENDED) An electronic device for outputting a signal configured according to at least one control parameter of a patient, comprising:

(a) an electronic data recording device configured for receiving a prior blood glucose value;

(b) a memory comprising one or more optimal blood glucose values, self-care values of a patient, optimal self-care values, and one or more scaling factors for weighting the impact on a future blood glucose value and that are customized to an individual patient to predict the effect on the blood glucose of self-care actions performed by the individual patient;

(c) a microprocessor, in communication with said electronic data recording device and said memory, programmed to calculate a further value, said further value being based on said self-care values, said optimal blood glucose ~~disease control~~ ~~parameter~~ values, and said scaling factors, and

(d) a display configured to display information according to said further value, thereby enabling the patient to select appropriate self care actions.

38. (PREVIOUSLY PRESENTED) The device of claim 37,  
further comprising a housing, wherein said memory and said  
microprocessor are housed within said housing, and further  
comprising an output port, said output port is integral with said  
5 housing, thereby providing a hand-held, readily transportable  
device.

39. (PREVIOUSLY PRESENTED) The device of claim 38,  
wherein said electronic data recording device is arranged within  
said housing.

40. - 50. (CANCELED)

51. (PREVIOUSLY PRESENTED) The device of claim 37,  
wherein said processor is programmed to calculate a plurality of  
future blood glucose values representative of a corresponding  
plurality of expected blood glucose concentrations of the patient.

52. (PREVIOUSLY PRESENTED) The device of claim 37,  
further comprising an output port coupled to said processor for  
establishing a communication link between said device and a  
healthcare provider computer and for transmitting and receiving  
5 data therebetween.

53. (PREVIOUSLY PRESENTED) The device of claim 52, wherein said device further comprises a modem for establishing said communication link through a communication network.

54. (PREVIOUSLY PRESENTED) The device of claim 52, wherein said output port comprises an input/output port for establishing said communication link through a connection cord.

55. - 61. (CANCELED)

62. (PREVIOUSLY PRESENTED) The device of claim 37, wherein said display is configured for displaying future blood glucose values in graphical form.

63. - 66. (CANCELED)

67. (PREVIOUSLY PRESENTED) The device of claim 37, wherein the electronic data recording device further comprises a glucose measurement device for measuring the prior blood glucose value, and wherein the measured blood glucose value is stored in the memory.

68. (PREVIOUSLY PRESENTED) The device of claim 67, wherein the glucose measuring device comprises a blood glucose meter.